

**AMENDMENTS TO THE SPECIFICATION:**

On page 1, before line 4, please insert the following paragraph:

**--CROSS REFERENCE TO RELATED APPLICATIONS**

This application is a divisional of prior copending U.S. Application, Serial No. 09/759,265, filed January 16, 2001, the entire disclosure of which is incorporated by reference herein.--

On page 1, delete the paragraph beginning on line 4 and ending on line 7, and replace with the following paragraph:

**--BACKGROUND OF THE INVENTION**

**1. Field of the Invention:**

The invention relates to the production of potentially reactive gas mixtures and to the determination of schemes for mixing such gases.

**2. Description of the Related Art: --.**